

VALOX™ HPNGFF FILM

PRODUCT DATASHEET

DESCRIPTION

VALOX™ HPNGFF film is a one-side coated anti-fog PET film. With an adhesive backing it is an excellent candidate for use in display case refrigeration units such as those found in grocery and convenience stores. It offers long-term anti-fog performance, abrasion resistance, impact resistance, and good optical clarity. HPNGFF film also provides chemical resistance and anti-static properties. Typical applications include: Refrigerated cases, Instrument lenses & display panels, Mirrors, Windows and Auto-Glass.

TYPICAL PROPERTY VALUES

PROPERTY	ASTM TEST METHOD	UNITS USCS	VALUE	UNITS (METRIC)	VALUE
MECHANICAL					
Elongation at Break MD	ASTM D882A	ft-lb	150	N-m	203
Elongation at Break TD	ASTM D882A	ft-lb	100	N-m	135
Yield (nominal)		in ² /lb	5,000	M ² /kg	7
Yield Strength MD	ASTM D882A	PSI	14,000	Kg/m ²	9,842,000
Yield Strength TD	ASTM D882A	PSI	14,000	Kg/m ²	9,842,000
THERMAL					
Shrinkage MD (190C)		%	<2.5		
Shrinkage TD (190C)		%	<1.0		
PHYSICAL					
Thickness (Gauge)		mil	4	mm	0.1
Pencil Hardness	ASTM D3363	-	F		
Taber Abrasion	ASTM D1044	delta Haze	6-10		
OPTICAL					
Light Transmission	ASTM D1003	%	>88		
Haze	ASTM D1003	%	<0.5		
ANTIFOG PROPERTIES					
45 degree angle over 50C water bath		sec	>90		
ADHESIVE PROPERTIES					
180 degree peel on glass		oz	50 - 100	kg	1.4 - 2.8

◆ These are typical properties and are not intended for specification purposes. If minimum certifiable properties are required, please contact your local SABIC representative or the SABIC Quality Services Department.
Reported Values are based on 4mil gauge thickness unless otherwise noted.
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Suggested cleaning for cleaning anti-fog coated side of film

Gently wash sheet with a solution of mild soap and lukewarm water, using a soft, grit-free cloth to loosen any dirt or grime.

CONTACT US:

Middle East and Africa

SABIC Global Headquarters
PO Box 5101
Riyadh 11422
Saudi Arabia
T +966 (0) 1 225 8000
F +966 (0) 1 225 9000
E info@sabic.com

Email

sfs.info@sabic-ip.com

Americas

Specialty Film & Sheet
1 Plastics Avenue
Pittsfield, MA 01201
USA
Toll-free 1 800 323 3783
T 1 413 448 6655
F (888) 443 2033
E Spinside.sales@sabic-ip.com

Europe

Specialty Film & Sheet
Plasticslaan 1
4612 PX
Bergen op Zoom
The Netherlands
T +31 (0)164 293678
F +31 (0)164 293272
E sfs.info@sabic-ip.com

Asia Pacific

Specialty Film & Sheet
2550 Xiupu Road
Pudong
201319 Shanghai
China
T +86 21 2037 8188
F +86 21 2037 8288
E sfs.info@sabic-ip.com

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